

Massachusetts Institute of Technology
Department of Electrical Engineering and Computer Science
6.061/6.690 Introduction to Power Systems

Problem Set 8

Issued April 3, 2011
Due April 13, 2011

Reading: From the text, Chapter 9

Problem 1: From the text, Chapter 8, Problem 6

Problem 2: From the text, Chapter 9, Problems 1 and 2

Problem 3: From the text, Chapter 9, Problem 3

Problem 4: From the text, Chapter 9, Problem 6. In addition to the questions asked in the text, find and plot Vee curves for this machine, for operation at 200, 400, 600, 800 and 1,000 kW. Assume that the armature and field windings are both capable of reaching an operating point of 1,000 kW and 1,200 kVA.

Problem 5: For 6.690 From the text, Chapter 9, Problem 8

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